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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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PATENT  
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Application of  
Takashi KOBAYASHI et al.

Serial No.: 10/020,573

Group Art Unit:2826

Filed: October 31, 2001

Examiner: Greene, P.

For: VERTICAL INSULATED GATE SEMICONDUCTOR DEVICE

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Box 1450, Alexandria VA 22313-1450 on:

Date: 06/20/03

By: Marc A. Rossi

Marc A. Rossi

SEARCHED & RECEIVED

REQUEST FOR ACKNOWLEDGMENT  
OF INFORMATION DISCLOSURE STATEMENTS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants hereby request that the Patent Office acknowledge the receipt of the  
Information Disclosure Statements filed on March 21, 2003 and May 7, 2003 for the above-  
referenced application. For the convenience of the Patent Office, copies of the Information  
Disclosure Statements, the PTO Forms-1449 and the stamped Receipt Cards are enclosed. It is  
respectfully requested that initialed copies of the PTO-1449's be returned to the undersigned.

Respectfully submitted,

ROSSI & ASSOCIATES

Marc A. Rossi  
Marc A. Rossi  
Registration No. 31,923

06/20/03  
Date

Attorney Docket No. FUJI:200

USPTC RECEIPT CARD In re application of:

KOBAYASHI et al.

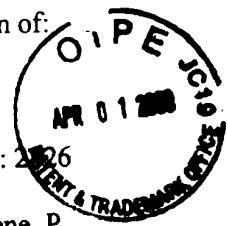
Serial No.: 10/020,573 Group Art Unit: 26

Filed: October 31, 2001 Examiner: Greene, P.

For: SEMICONDUCTOR DEVICE

Papers Filed: Information Disclosure Statement

Attorney Docket: FUJI:200





PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re Application of

Takashi KOBAYASHI, *et al.*

Group Art Unit: 2826

Serial No.: 10/020,573

Examiner: Greene, P.

Filed: October 31, 2001

Attorney Docket No.: FUJI:200

For: SEMICONDUCTOR DEVICE

Assistant Commissioner for Patents  
Washington, D.C. 20231

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Date: 03/21/03

By: Marc A. Rossi

Marc A. Rossi

INFORMATION DISCLOSURE STATEMENT (IDS)

Sir:

In compliance with Rule 56, 97, and 98, applicants enclose a Substitute PTO-1449, listing one reference. A copy of the listed reference is enclosed.

RELEVANCE

The listed reference appears to disclose square and striped cells of IGBT in Figs. 2 and 4.

The submission of this IDS is not intended as an admission that the reference identified here constitutes prior art against the claims of the present application or that such reference are material to patentability as defined in Rule 56(b).

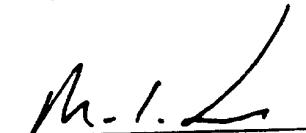
SN. 10/020,573

ATTORNEY DOCKET No. FUJI:200

FEE

This IDS requires a fee of \$180 since it is filed after the grace period. The Commissioner is authorized to charge \$180 (or any appropriate fees) to Deposit Account No. 18-2056.

Respectfully submitted,

  
\_\_\_\_\_  
Marc A. Rossi  
Registration No. 31,923

ROSSI & ASSOCIATES  
P.O. Box 826  
Ashburn, VA 20146-0826  
Phone: 703-726-6020

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

### Complete It Known

Substitute for form 1449 PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Use as many sheets as necessary.

Show

10

Application Number	10/020,573
Filing Date	October 31, 2001
First Named Inventor	Takashi KOBAYASHI
Art Unit	2828
Examiner Name	Green, P.
Attorney Docket Number	FUJI:200

U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

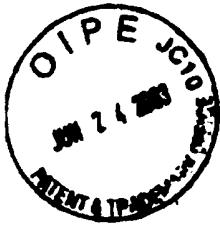
Examiner \_\_\_\_\_ Date Considered \_\_\_\_\_

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **1** Applicant's unique citation designation number (optional). **2** See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). **3** For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. **4** Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. **5** Applicant is to place a check mark here if English language Translation is attached.

1. **27** 27 CEP 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to complete an application to the USPTO to process an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND ALL COMMENTS TO: U.S. Patent and Trademark Office, Washington, DC 20231. [www.uspto.gov](http://www.uspto.gov) (1-800-766-9199) and select option 2.

TO: Commissioner for Patents, Washington, DC 20231.  
Telephone: (202) 707-3000. If you are completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



USP RECEIPT CARD In re application of:

Takashi KOBAYASHI et al.

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Group Art Unit:2826

Filed: October 31, 2001

Examiner: Greene, P.

For: SEMICONDUCTOR DEVICE

Papers Filed: IDS

Attorney Docket: FUJI:200





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Date: 05/07/03

By: Marc A. Rossi

Marc A. Rossi

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450, Alexandria, VA 22313-1450

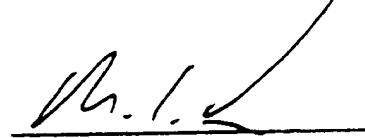
Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. Copies of the references listed on Form PTO-1449 and relevant portions of the search report are attached.

It is respectfully requested that the information be expressly considered during the prosecution of this application, that these references be made of record therein and appear among

the "References Cited" on any patent to issue therefrom, and that an initialed copy of the PTO-1449  
be returned to the undersigned.

Respectfully submitted,



Marc A. Rossi  
Registration No. 31,923

Date: 05/07/03

Attorney Docket No.: FUJI:200

ROSSI & ASSOCIATES  
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Ashburn, VA 20146-0826  
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**INFORMATION DISCLOSURE CITATION**  
*(Use several sheets if necessary)*

## BUCKEY MUNICIPAL CORPORATION,

FUJI:200

Anthoni

Takashi KOBAYASHI et al.

**Missing Data**

October 31 2001 3826

October 31, 2001

10/020,573

**U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
EP	0 115 093 A2	8/84	EPO				
EP	0 671 769 A2	9/95	EPO				
GB	2 161 649 A	1/86	GB				

**OTHER DOCUMENTS** (Including Author, Title, Date, Permanent Pages, Etc.)


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**DATE CONSIDERED**

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